

**EC type examination certificate**  
**EG-Baumusterprüfbescheinigung**

**CE-0085AQ0883**

Product Identification No.  
 Produkt-Identnummer

<b>Field of Application</b> <i>Anwendungsbereich</i>	EC Pressure Equipment Directive (2014/68/EU) <i>EG-Druckgeräterichtlinie (2014/68/EU)</i>
<b>Owner of Certificate</b> <i>Zertifikatinhaber</i>	MEDENUS Gas-Druckregeltechnik GmbH Im Langen Feld 3, D-57462 Olpe
<b>Distributor</b> <i>Vertreiber</i>	MEDENUS Gas-Druckregeltechnik GmbH Im Langen Feld 3, D-57462 Olpe
<b>Product Category</b> <i>Produktart</i>	gas fittings: Pressure regulator for natural gas and all-gas (4301)
<b>Product Description</b> <i>Produktbezeichnung</i>	Pressure regulator optional with safety shut-off valve (SAV) for upper and lower shut down pressure and/or pilot support
<b>Model</b> <i>Modell</i>	R/RS/RP/RSP 251, R/RS/RP/RSP 255
<b>Test Reports</b> <i>Prüfberichte</i>	supplement test: 19-00171-210 from 29.01.2020 (EBI) supplement test: 15-0183-MPW from 19.01.2016 (EBI) supplement test: 21-00789-AB01-210 from 05.10.2021 (EBI)
<b>Test Basis</b> <i>Prüfgrundlagen</i>	2014/68/EU A III B Baumusterprüfung (15.04.2014) DIN EN 334 (01.11.2019) DIN EN 14382 (01.11.2019)
<b>Date of Expiry / File No.</b> <i>Ablaufdatum / Aktenzeichen</i>	31.07.2022 / 21-0630-GDR

03.11.2021 Kö A-1/2 *v.A. K. Klemm*

Date, Issued by, Sheet, Head of Certification Body  
 Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle



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<b>Gas Category</b> <i>Gasart</i>	<b>Remarks</b> <i>Bemerkungen</i>
fuel gases of the 1., 2. & 3. gas family	

<b>Type</b> <i>Typ</i>	<b>Technical Data</b> <i>Technische Daten</i>	<b>Remarks</b> <i>Bemerkungen</i>
R/RS/RP/RSP 251, R/RS/RP/RSP 255	nominal diameter: DN 50	
R/RS/RP/RSP 251, R/RS/RP/RSP 255	nominal diameter: DN 80	
R/RS/RP/RSP 251, R/RS/RP/RSP 255	nominal diameter: DN 100	

<b>Type Variation</b> <i>Ausführungsvariante</i>	<b>Explanations</b> <i>Erläuterungen</i>
R	pressure regulator
RS	pressure regulator with SAV
RP	pressure regulator with pilot support (pilots R70-10, R70-20, R70-100 for the SAV K70-10)
RSP	pressure regulator with SAV and pilot support
R/RS/RP/RSP 251	max allowable pressure PS = 8 bar, nominal pressure PN 8
R/RS/RP/RSP 255	max allowable pressure PS = 16 bar, nominal pressure PN 16
R/RS/RP/RSP 251; R/RS/RP/RSP 255	temperature range: -20°C to 60°C, class 2

<b>Hints of Utilization / Remarks</b> <i>Verwendungshinweise / Bemerkungen</i>
<p>Connection: both sides flanges PN 16 acc. DIN EN 1092-4 or ASME B 16.5 Class 150 RF</p> <p>Function class: A and B</p> <p>Resonating time: <math>\leq 1</math> s</p> <p>strength type: IS</p> <p>Operating temperature range: -20...+60 °C</p> <p>Direct-acting gas pressure regulator: Fail-Open regulator</p> <p>Regulation accuracy class AC/ lock up pressure group SG, pressure regulator without pilot:</p> <p>18 mbar ... 100 mbar: AC 10/ SG 20</p> <p>100 mbar ... 500 mbar: AC 5/SG 10</p> <p>500 mbar ... 1500 mbar: AC 2,5/SG 10</p> <p>&gt;1000 mbar ... 3000 mbar: AC 5/SG 10 (only regulation device 205/275-2)</p> <p>Indirect-acting gas pressure regulator: Fail-Close regulator</p> <p>Accuracy class AC/lock up pressure group SG, pressure regulator with pilot:</p> <p>10...20 mbar: AC 10/SG 50</p> <p>20...50 mbar: AC 5/SG 20</p> <p>50...500 mbar: AC 5/SG 10</p> <p>500...2500 mbar: AC 2,5/SG 10</p> <p>2500...5000 mbar: AC 1/SG 10</p> <p>&gt;5000 mbar: AC 1/SG 5</p> <p>Upper response group AG of the safety shut of valve:</p> <p>50 mbar ... 100 mbar: AG 10</p> <p>100 mbar ... 500 mbar: AG 5</p> <p>&gt;500 mbar: AC 2,5</p> <p>Lower response group AG of the safety shut of valve:</p> <p>10 mbar ... 30 mbar: AG 20</p> <p>30 mbar ... 50 mbar: AG 10</p> <p>&gt;50 mbar: AC 5</p> <p>Body material aluminium casting EN AC-42100 S T6, EN AC-4300 S T6 (only DN 200) or nodular cast iron EN-GJS400-15 (only RS 250 DN 50/80/100)</p>

